


## SACB-8/16-L- 5,0PVC FB

Order No.: 1555541



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1555541>

Sensor/actuator box, M12 female connector, Number of slots: 8, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Fixed connection 180°, PVC, Cable length: 5 m, Shielding: No

Commercial data	
GTIN (EAN)	
sales group	D101
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 213 (PC-2011)

### Product notes

WEEE/RoHS-compliant since:  
02/01/2007



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Technical data	
<b>General data</b>	
Rated voltage	24 V DC
Max. operating voltage $U_{max}$	30 V DC
Current carrying capacity per I/O signal	2 A

Current carrying capacity per slot	4 A
Total rated current	12 A
Number of positions	5
Number of slots	8
Degree of protection	IP65/IP67/IP69K
Ambient temperature (operation)	-30 °C ... 80 °C
Sensor/actuator connection system	M12 female connector

#### Local diagnostics function

Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED

#### Master cable data

Connection method	Fixed connection
Length of cable	5 m
Signal line cross section	16x 0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	64x 0.10 mm
Power supply cross section	3x 1 mm <sup>2</sup>
AWG power supply	17
Conductor structure, voltage supply	128x 0.10 mm
External diameter	11.6 mm
Max. bending cycles	1000000
Traversing path	5 m
Traversing rate	3 m/s
Ambient temperature (operation)	-40 °C ... 90 °C (for fixed installation)
	-5 °C ... 80 °C (for flexible installation)
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque screw plug	0.4 Nm

#### Insulation material

Housing material	Stainless steel 1.4404
Material of the moulding mass	PUR
Contact material	CuSn6
Contact surface material	Gold-plated
Contact carrier material	PBT
Material of threaded sleeve	Stainless steel 1.4404

**Pin assignment**

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GY/PK
	2 / 4 (A) = GN
	2 / 2 (B) = RD/BU
	3 / 4 (A) = YE
	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY
	4 / 2 (B) = BN/GN
	5 / 4 (A) = PK
	5 / 2 (B) = WH/YE
	6 / 4 (A) = RD
	6 / 2 (B) = YE/BN
	7 / 4 (A) = BK
	7 / 2 (B) = WH/GY
	8 / 4 (A) = VT
	8 / 2 (B) = GY/BN
	1-8 / 1 (+ 24 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GN/YE

**Accessories**

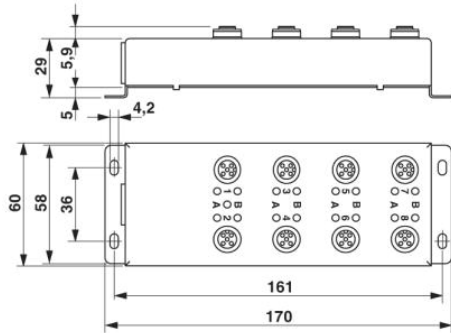
Item	Designation	Description
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**Protection and sealing elements**

1555538	PROT-M12 FB	M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry
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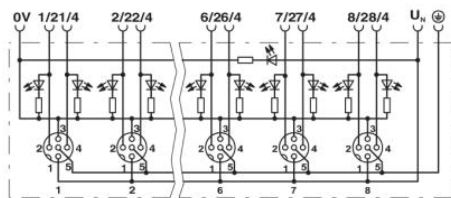
**Diagrams/Drawings**

Dimensioned drawing

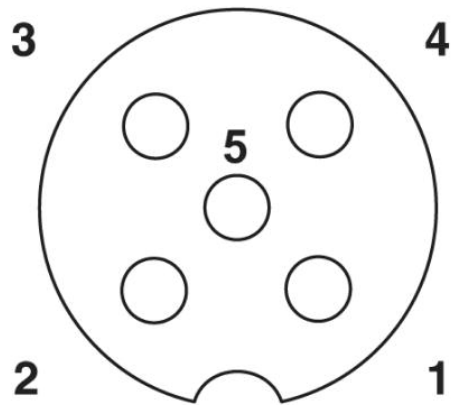


Dimensional drawing

Circuit diagram



Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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